

# SuperChassis 512F-350B1

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## Key Features

1. 14.5" Mini 1U chassis, supports maximum motherboard sizes: ATX 12" x 10"
  2. 1x Full-height & half-length expansion slot
  3. 2x 3.5" Fixed Internal Drive Bay
  4. 1x Slim DVD ROM (optional)
  5. Power Switch, Reset, and LED Indicators
  6. 2x Counter-rotating Fans
  7. 350W Gold Level High-efficiency Power Supply
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▶ [Chassis Manual](#)  
▶ [Optimization](#)

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

# Specifications

## Product SKUs

- CSE-512F-350B1** ■ SuperChassis 512F-350B1

## Form Factor

- 14.5" Mini 1U chassis - supports maximum motherboard sizes: ATX 12" x 10"

## Processor Support

- Single and Dual Intel® and AMD processors

## Dimensions

- Height** ■ 1.7" (43 mm)

- Width** ■ 17.2" (437 mm)

- Depth** ■ 14.5" (368 mm)

- Gross Weight** ■ 14 lbs (6.35 kg)

- Packaging (W x H x L)** ■ 22" (559 mm) x 6.3" (160 mm) x 20" (508 mm)

- Available Color** ■ Black

## Expansion Slots

- 1 full-height & half-length expansion slot(s) (Riser Card Required)

## Drive Bays

- 2 x 3.5" fixed drive bay
- SAS or enterprise SATA HDD only recommended

## Peripheral Drives

- 1 x slim DVD-ROM drive bay
- Optional 1 x Slim DVD-ROM Drive

## Front Panel

- Buttons** ■ Power On/Off button
- System Reset Button

- LEDs** ■ 2 Network Activity LEDs
- Fan Fail/System Over Heat LED
- HDD activity LED
- Power Status LED

## Systems Cooling

- Fans** ■ 2 x 4cm counter-rotating PWM fan(s)

## Operating Environment (System)

- Operating Temperature Range** ■ 5°C - 35°C (41°F - 95°F)

- Non-Operating Temperature Range** ■ -40°C - 70°C (-40°F - 158°F)

- Operating Relative Humidity Range** ■ 8% - 90% (non-condensing)

- Non-Operating Relative Humidity Range** ■ 5% - 95% (non-condensing)

## Power Supply

1U 350W Multi-output power supply Platinum level

- Power Efficiency** ■ 93%

- Total Output Power and Input** ■ 350W with Input 100 - 240Vac

- AC Input Frequency** ■ 50-60Hz

- Dimensions (L x W x H)** ■ 180 x 100 x 40 mm

- Output Type** ■ 24pin ATX

- 12V** ■ Max: .2A / Min: 0A

- +12V** ■ Max: 29A / Min: .5A (100Vac - 240Vac)

- +5V** ■ Max: 15A / Min: .2A

- +3.3V** ■ Max: 12A / Min: .2A

- +5Vsb** ■ Max: 3A / Min: 0A

- Certification** ■  **Platinum Certified**

## Regulatory (Power Supply)

- Power Supply Safety / EMC** ■ BSMI
- CCC
- CE/EMC
- FCC class B
- TUV/CB

# Components

## Standard Parts List

	Part Number	Qty	Description
Cable(S)	CBL-0156L	1	CBL,FRONT CNTL,16 TO 16 PIN,RA,RND TUBE,40CM,28AWG
Cable(S)	CBL-0260L	1	US power cord 18AWG 6ft, PBF (default for low watt)
Cable(S)	CBL-0261L	1	SATA,INT,FLAT,ST-RA,40CM,26AWG
Cable(S)	CBL-0262L	1	PWEX,SATA,1X4MP5.08 TO 1x4(RA)+1xSATA(RA)+1xFPD,18/22AWG
CD-ROM & Accessory	MCP-290-00006-01	1	Black DVD dummy cover for SC512, RoHS
Fan(s)	FAN-0087L4	2	40x56,4 Pin PWM Fan
Front Panel	MCP-280-51201-0N	1	Front control board (FP512) for SC512 (surface-mounted LED)
Cooling Fan & Accessory	MCP-320-00003-01	1	Fan holder of two 40x40x56mm fans for SC512F-280
Part(s)	MCP-290-00005-01	2	Black chassis handle for SC512F-520
Part(s)	MCP-260-00024-0N	1	1U I/O shield for X8 server MB (3rd LAN + 4xLAN)
Part(s)	MCP-260-00078-0N	1	1U I/O shield for X10 and X9 Server MB with 5X5mm vent hole and EMI Gasket,RoHS/REACH,PBF
Power Supply & Accessory	PWS-350-1H	1	1U Single AC-DC 350W Platinum Level, multiple output power supply (180mm)

## Optional Parts List

	Part Number	Qty	Description
Rail	MCP-290-00004-03	-	Chassis rail set (inner and outer)
HDD Tray	MCP-220-00051-0N	-	Single 2.5" fixed HDD bracket
HDD Tray	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket (without DVD)
Peripheral Drive(s)	DVM-TEAC-824B	-	Black slim IDE DVD (8x DVD, 24x CDR), TEAC
Peripheral Drive(s)	DVM-PNSC-824(B)	-	Black slim IDE DVD (8x DVD, 24x CDR), Panasonic
Peripheral Drive(s)	DVM-PNSC-DVD-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), Panasonic
Peripheral Drive(s)	DVM-TEAC-DVD-SBT3	-	Black slim SATA DVD (8x DVD, 24x CDR), TEAC
Peripheral Drive(s)	MCP-220-51201-0N	-	Slim IDE DVD kit for SC512,512F-260
Peripheral Drive(s)	MCP-220-51202-0N	-	Slim SATA DVD kit for SC512,512F-260
Rail	MCP-290-00055-0N	-	Rail set, screw /quick, optional for 1U 17.2

## Motherboard (for CSE- 512F-350B1)

X11SPi-TF

X11SPL-F

X11SPM-TF

X11SPM-TPF

X11SPM-F

X11SCM-F

X11SCM-LN8F

X11SCL-LN4F

● = Most optimized Chassis for SuperServer Configuration

Blue color = Compatible

Green color = Global SKU & Compatible

Red dot & green color = Optimized + Global SKU

## Servers (for CSE- 512F-350B1)

5019C-M4L